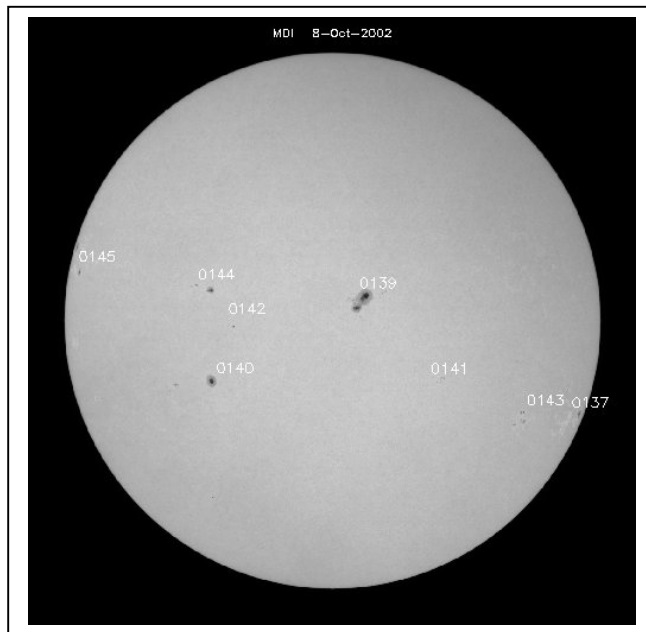


Observing the Sun

Elementary Grades

These activities can be used with observations of the Sun that you get from [Views From Observatories](#) or [Views From Satellites](#).

1. Go to the web site and print an image of the Sun each day for 8 to 10 days (or more!). You can also use the archive of images and print an image of the Sun each day for 8 to 10 days (or more!). Be sure that each image has a date and time telling you when the image was recorded. Try to get an image from the same time of day on each day. Label each of your sunspots. While you can use any name, number, or letter to label your sunspots, scientists have agreed to number the sunspots in the order they appear. The sunspots and their numbers for today are shown below. This number system will be necessary to vote for your [Sunspot Suspect](#).



Name _____

Sunspot Viewer Review

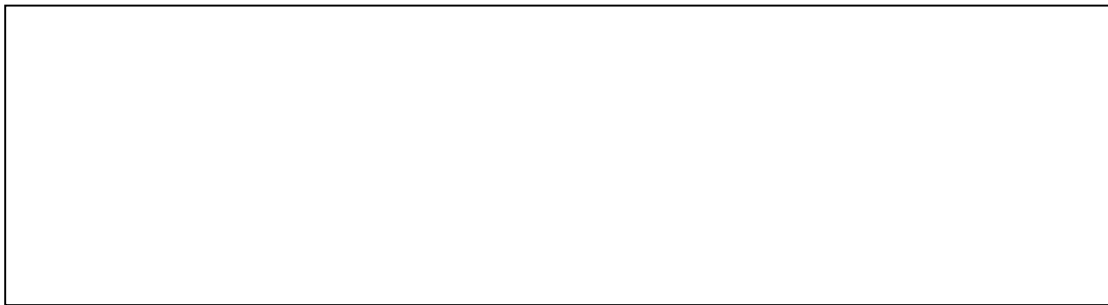
Lay your images of the Sun on the floor or on a table. Arrange them in the same order they were made. Answer the following questions about your observations.

1. Does the Sun appear to change shape? What shape is it? _____

2. Do the sunspots appear to be moving?

3. Which direction are the sunspots moving-horizontal (across) or vertical (up and down)?

4. If the sunspots continue to follow the same pattern, draw what you think the next Sun and sunspots would look like.

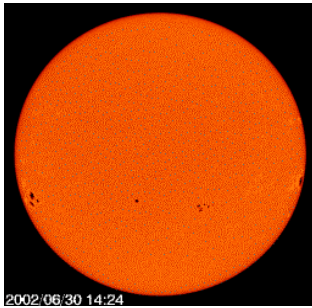


5. Are all the sunspots the same shape? The same size? _____

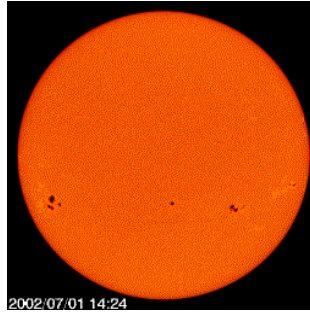
Name_____

SUNSPOT FLIP BOOK

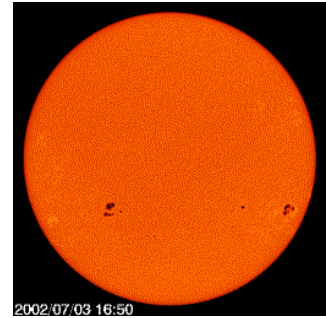
Arrange the images you obtained in order on top of each other, or cut out the images below. Staple into a flip book.



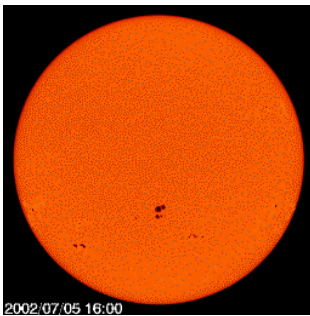
Picture 1



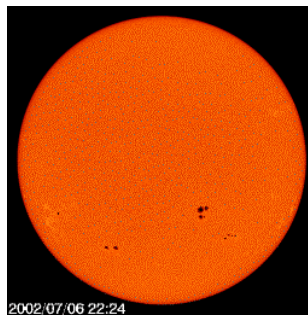
Picture 2



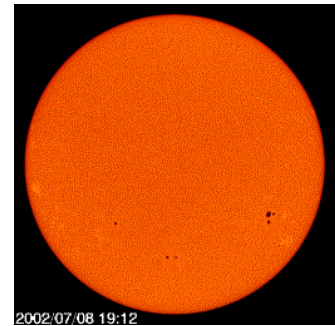
Picture 3



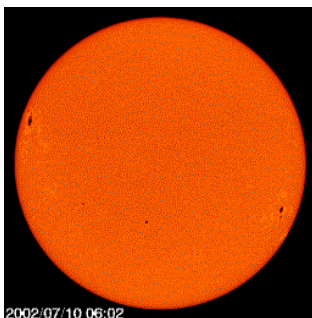
Picture 4



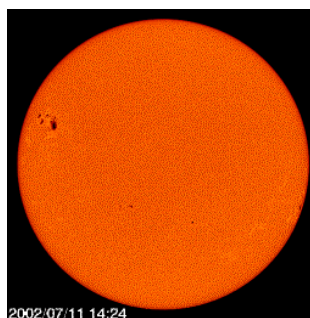
Picture 5



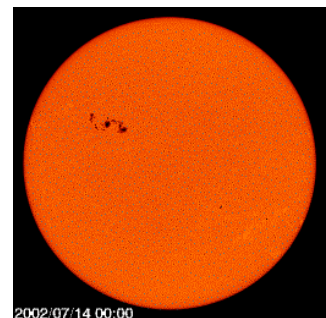
Picture 6



Picture 7



Picture 8



Picture 9

Name_____

Sunspot Flip Book Journal

After making your sunspot flip book, flip the pages quickly. Do this several times. Observe the pictures of the Sun and the sunspots. Answer the following questions about your observations.

1. Does the Sun appear to change shape? What shape is it?

2. Do the sunspots appear to be moving?

3. Which direction are the sunspots moving-horizontal (across) or vertical (up and down)?

4. If the sunspots continue to follow the same pattern, draw what you think the next Sun and sunspots would look like.



5. Are all the sunspots the same shape? The same size?

6. Were any of your answers the same for the drawings that you made with the telescope and your answers using the flipbook? Why or why not?_____
